

Converting Colors

XYZ(22.1511, 26.8989, 26.3135)

Have a look what the booklet for
XYZ(22.1511, 26.8989, 26.3135)
contains.

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Color

**XYZ(22.1835, 26.9014,
26.2136)**

Conversions

Conversions Part 1

Format	Color
Hex	749585
RGB	116, 149, 133
RGB Percent	45%, 58%, 52%
CMY	0.5451, 0.4157, 0.4784
CMYK	0.22, 0.00, 0.11, 0.42
HSL	151°, 13%, 52%
HSV	151°, 22%, 58%
XYZ	22.1835, 26.9014, 26.2136
YIQ	137.3090, -14.5320, -11.9720

Conversions

Conversions Part 2

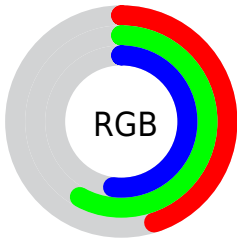
Format	Color
R_{YB}	116, 138, 149
Decimal	7640453
CIE _{Lab}	58.88, -14.93, 4.69
CIE _{LCh}	59, 15.645, 162.556
Yxy	26.9014, 0.2946, 0.3573
Android (android.graphics.Color)	4285830533 (0xFF749585)
YUV	137.3090, -2.1243, -18.6880
Hunter-Lab	51.8666, -14.4214, 6.3412

Details

The XYZ color **22.1835, 26.9014, 26.2136** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **22.8056, 20.5468, 24.5948**, and the grayscale version is **23.9071, 25.1521, 27.3907**.

A 20% lighter version of the original color is **46.5810, 54.6921, 54.5559**, and **8.2827, 10.5688, 9.9909** is the 20% darker color. If you saturate the color by 10%, you get **19.8775, 25.7691, 23.5894**, and if you desaturate by 10%, it is **24.8430, 28.2135, 29.0348**.

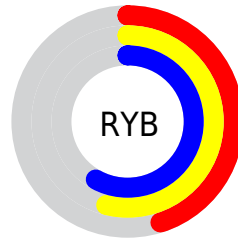
Distribution



Red (45%)

Green (58%)

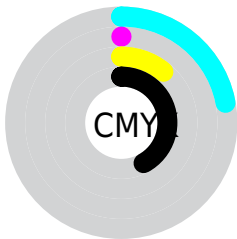
Blue (52%)



Red (45%)

Yellow (54%)

Blue (58%)

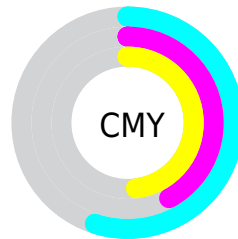


Cyan (22%)

Magenta (0%)

Yellow (11%)

Black (42%)



Cyan (55%)

Magenta (42%)

Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.1835, 26.9014, 26.2136 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 22.1835, 26.9014, 26.2136 by changing the saturation by 10% instead.

■ 22.1835, 26.9014,
26.2136

■ 22.1835, 26.9014,
26.2136

256.1174,
287.1794, 297.4678

■ 14.1092, 17.4992,
16.7563

■ 46.5257, 54.7256,
54.6076

■ 8.2788, 10.5910,
9.9008

■ 63.5243, 73.9164,
74.3815

■ 4.3272, 5.7926,
5.2285

■ 84.2283, 97.1388,
98.4312

■ 1.8888, 2.7194,
2.3209

109.0031,
124.7773, 127.1755

■ 0.5703, 0.9870,
0.7429

138.2140,
157.2162, 161.0327

■ 0.0000, 0.0000,
0.0000

172.2265,

194.8399, 200.4215

211.4059,
238.0328, 245.7603

■ 22.1835, 26.9014,
26.2136

■ 22.1835, 26.9014,
26.2136

■ 19.8775, 25.7691,
23.5894

■ 24.8430, 28.2135,
29.0348

■ 17.9071, 24.8051,
21.1560

■ 27.8687, 29.7095,
32.0553

■ 16.2558, 24.0018,
18.9095

■ 31.2750, 31.3978,
35.2797

■ 14.9052, 23.3498,
16.8453

■ 35.0753, 33.2849,
38.7120

■ 13.8344, 22.8385,
14.9584

■ 39.2821, 35.3772,
42.3559

■ 13.0201, 22.4558,
13.2436

■ 43.9072, 37.6809,
46.2151

■ 12.4347, 22.1877,
11.6955

■ 48.9622, 40.2018,
50.2932

■ 12.0789, 22.0284,
10.5913

■ 54.4580, 42.9456,
54.5938

■ 60.4054, 45.9175,
59.1201

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



23.1360, 26.9014, 22.1269



22.1835, 26.9014, 26.2136



22.1089, 26.9014, 31.6673

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



22.1835, 26.9014, 26.2136



26.3858, 26.9014, 40.9621



28.4066, 26.9014, 22.6638

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



22.1835, 26.9014, 26.2136



22.8056, 20.5468, 24.5948

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



29.3724, 26.9014, 27.0367



22.1835, 26.9014, 26.2136



28.1668, 26.9014, 37.8554

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



22.1835, 26.9014, 26.2136



24.4705, 26.9014, 40.6688



29.2825, 26.9014, 32.6004



26.6998, 26.9014, 20.2619

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



22.1835, 26.9014, 26.2136



22.5615, 26.9014, 35.4027



29.2825, 26.9014, 32.6004



28.8325, 26.9014, 23.9267

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



22.1842, 26.9025, 26.2142



47.1177, 51.8234, 54.6581



23.4948, 27.7031, 20.6321



10.3815, 11.4549, 12.0526



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



22.1842, 26.9025, 26.2142



37.4205, 47.0421, 44.3632



23.3756, 27.3791, 32.4879



5.8468, 6.5153, 6.8043



10.1807, 18.5451, 8.9929



0.1395, 0.2329, 0.1885

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



22.8056, 20.5468, 24.5948



38.7525, 33.4170, 40.8921



21.7929, 20.1418, 19.2623



5.9109, 5.8594, 6.6371



11.4378, 5.7802, 5.7865



0.1548, 0.0767, 0.1487

Previews

White Background



This preview shows how the XYZ color 22.1835, 26.9014, 26.2136 looks on a white background.

Color Contrast Check

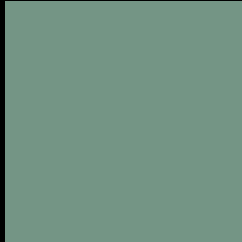
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 22.1835, 26.9014, 26.2136 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.1835, 26.9014, 26.2136

Background



This preview shows how black text looks on a background with the XYZ color 22.1835, 26.9014, 26.2136.

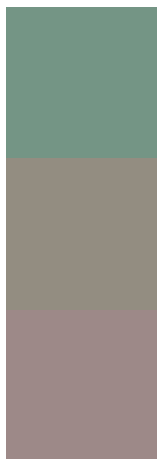


This preview shows how white text looks on a background with the XYZ color 22.1835, 26.9014,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

22.1835, 26.9014, 26.2136

Protanopia

25.5199, 26.8378, 24.6040

Deuteranopia

27.2942, 26.8370, 27.0340



Tritanopia

24.2498, 27.0570, 35.8427

Trichromacy



Original Color

22.1835, 26.9014, 26.2136

Protanomaly

24.1559, 26.7925, 25.0174

Deuteranomaly

25.0534, 26.5498, 26.7258

Tritanomaly

23.3868, 26.9275, 31.9819

Monochromacy



Original Color

22.1835, 26.9014, 26.2136

Achromatopsia

23.7775, 25.0158, 27.2422

Achromatomaly

23.0221, 25.4945, 27.0001

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.1835, 26.9014, 26.2136 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(116, 149, 133)` looks like.

```
.text, #text, p{  
    color:rgb(116, 149, 133)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(116, 149, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 149, 133) }
```

Border

The CSS property to change the border of an element to XYZ 22.1835, 26.9014, 26.2136 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(116, 149, 133) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(116, 149, 133) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(116, 149, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 149, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 149, 133);  
box-shadow:4px 4px 4px 4px rgb(116, 149,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 22.1835, 26.9014, 26.2136 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 149, 133) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(116,  
149, 133) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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